

AMENDMENTS TO THE CLAIMS

1. (Original): A mobile browser system with adaptive personalization and audio feedback capability for retrieving information from an information network, the information network comprising a plurality of network servers, the browser system comprising:

a wireless communication interface operable to transmit data to one or more of the plurality of network servers, to receive user input, and to receive data from one or more of the plurality of network servers, wherein the data transmitted to the one or more of the plurality of network servers includes a request for information, and the data received from the one or more of the plurality of network servers includes information responsive to the request;

an audio interface operable to receive data from the wireless communication interface; and

an adaptive personalization module operable to monitor the user input during one or more previous sessions with the browser system, and to determine the order for presenting the requested information based on previous user input.

2. (Original): The browser system, as set forth in claim 1, wherein the adaptive personalization module is further operable to update a user's model based on the previous user input and the user's model is used to determine the order for presenting the requested information.

3. (Original): The browser system, as set forth in claim 1, wherein the adaptive personalization module is further operable to update a user's model based on whether the user input a command to skip playback of the requested information.

4. (Original): The browser system, as set forth in claim 1, wherein the adaptive personalization module is further operable to update a user's model based on whether the user input a command to fast-forward or rewind playback of the requested information.

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5. (Original): The browser system, as set forth in claim 1, wherein the adaptive personalization module is further operable to update a user's model based on whether the user requested more detail on the requested information.

6. (Original): The browser system, as set forth in claim 1, wherein the adaptive personalization module is further operable to generate a representation of each piece of content in the requested information, and the order of presentation of the requested information is determined based on the user's model and the representation.

7. (Original): The browser system, as set forth in claim 1 wherein the adaptive personalization module is further operable to determine whether the requested information is redundant compared to information presented during a previous session.

8. (Original): The browser system, as set forth in claim 1 wherein the adaptive personalization module is further operable to determine whether a piece of content in the requested information is redundant compared to one or more other pieces of content in the requested information.

9. (Original): The browser system, as set forth in claim 6 wherein the adaptive personalization module is further operable to convert the responsive information from a text format to an audio format, and the representation includes the frequency with which each word occurs in each piece of content.

10. (Original): The browser system, as set forth in claim 6 wherein the adaptive personalization module is further operable to convert the responsive information from an audio format to a text format, and the representation includes the frequency with which each word occurs in each piece of content.

11. (Original): The browser system, as set forth in claim 1, further comprising a user interface operable to allow the user to generate and modify a playlist, wherein the playlist is included in the user's model.

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12. (Original): The browser system, as set forth in claim 11, wherein the user interface is a graphical user interface.

13. (Original): The browser system, as set forth in claim 11, wherein the user interface is an audio interface.

14. (Original): The browser system, as set forth in claim 11, wherein the user interface is a telephone interface.

15. (Original): The browser system, as set forth in claim 11, wherein the user interface is a wireless telephone interface.

16. (Original): The browser system, as set forth in claim 1, wherein the adaptive personalization module is further operable to generate and modify a user's playlist.

17. (Original): The browser system, as set forth in claim 1, further comprising: a mobile audio device having an audio converter, the audio converter being operable to receive the information responsive to the request, the audio converter being further operable to convert the responsive information to an audio signal for output to an audio output device, wherein the audio converter outputs the audio signal to a short-range wireless radio, the short-range wireless radio being operable to broadcast the audio signal to a channel on a car radio.

18. (Original): A mobile information network browser device with feedback capability for retrieving information from an information network, the information network comprising a plurality of network servers, the browser device comprising:

a communication interface operable to transmit a request for information to a network server, and to receive data responsive to the request from the network server;

a mobile audio device operable to transmit the request for information to the communication interface and to receive data responsive to the request from the communication interface, the mobile audio device being further operable to receive input from a user, to convert the input to a digital signal, and to

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transmit the digital signal to the communication interface, the mobile audio device being further operable to receive the data responsive to the request from the communication interface, and to convert the data to an audio signal for output to an audio output device; and

an adaptive personalization module operable to monitor the user input during one or more previous sessions with the browser device, and to determine the order for presenting the requested information based on previous user input.

19. (Original): The browser device, as set forth in claim 18, further comprising: a voice interaction system operable to recognize commands from a user's speech input for interaction with the browser device including the request for information.

20. (Original): The browser device, as set forth in claim 18, wherein the adaptive personalization module is further operable to update a user's model based on the previous user input and the user's model is used to determine the order for presenting the requested information.

21. (Original): The browser device, as set forth in claim 18, wherein the adaptive personalization module is further operable to update a user's model based on whether the user input a command to skip playback of the requested information.

22. (Original): The browser device, as set forth in claim 18, wherein the adaptive personalization module is further operable to update a user's model based on whether the user input a command to fast-forward or rewind playback of the requested information.

23. (Original): The browser device, as set forth in claim 18, wherein the adaptive personalization module is further operable to update a user's model based on whether the user requested more detail on the requested information.

24. (Original): The browser device, as set forth in claim 18, wherein the adaptive personalization module is further operable to generate a representation of each piece

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of content in the requested information, and the order of presentation of the requested information is determined based on the user's model and the representation.

25. (Original): The browser device, as set forth in claim 24, wherein the adaptive personalization module is further operable to convert the responsive information from a text format to an audio format, and the representation includes the frequency with which each word occurs in each piece of content.

26. (Original): The browser device, as set forth in claim 24, wherein the adaptive personalization module is further operable to convert the responsive information from an audio format to a text format, and the representation includes the frequency with which each word occurs in each piece of content.

27. (Original): The browser device, as set forth in claim 18, wherein the adaptive personalization module is further operable to determine whether the requested information is redundant compared to information presented during a previous session.

28. (Original): The browser device, as set forth in claim 18 wherein the adaptive personalization module is further operable to determine whether a piece of content in the requested information is redundant compared to one or more other pieces of content in the requested information.

29. (Original): The browser device, as set forth in claim 18, further comprising a user interface operable to allow the user to generate and modify a playlist, wherein the playlist is included in the user's model.

30. (Original): The browser device, as set forth in claim 29, wherein the user interface is a graphical user interface.

31. (Original): The browser device, as set forth in claim 29, wherein the user interface is an audio interface.

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32. (Original): The browser device, as set forth in claim 29, wherein the user interface is a telephone interface.

33. (Original): The browser device, as set forth in claim 29, wherein the user interface is a wireless telephone interface.

34. (Original): The browser device, as set forth in claim 29, wherein the adaptive personalization module is further operable to generate and modify a user's playlist.

35. (Currently amended): A mobile information network browser device with audio feedback capability, the information network comprising a plurality of network servers, the browser device comprising:

a communication interface operable to receive data from at least one of the network servers;

a mobile audio device operable to receive the data from the communication interface, the mobile audio device being further operable to convert the data to an audio signal for output to a car radio; and

an adaptive personalization module operable to monitor the user input during one or more previous sessions with the browser device, and to determine the order for presenting the data requested information based on user input during previous browser sessions with the browser device ~~previous user input~~.

36. (Original): The browser device, as set forth in claim 35, wherein operation of the mobile audio device is controlled with voice commands.

37. (Original): The browser device, as set forth in claim 35, wherein the communication interface is operable to receive the data from a wireless communication network.

38. (Original): The browser device, as set forth in claim 35, wherein the adaptive personalization module is further operable to update a user's model based on the

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previous user input and the user's model is used to determine the order for presenting the requested information.

39. (Original): The browser device, as set forth in claim 35, wherein the adaptive personalization module is further operable to generate a representation of each piece of content in the requested information, and the order of presentation of the requested information is determined based on the user's model and the representation.

40. (Currently amended): The browser device, as set forth in claim 39 35, wherein the adaptive personalization module is further operable to generate and modify a user's playlist based on actions taken while the user was receiving information in a particular category.

41. (Original): The browser device, as set forth in claim 40, wherein the adaptive personalization module is further operable to convert the responsive information from a text format to an audio format, and the representation includes the frequency with which each word occurs in each piece of content.

42. (Original): The browser device, as set forth in claim 40, wherein the adaptive personalization module is further operable to convert the responsive information from an audio format to a text format, and the representation includes the frequency with which each word occurs in each piece of content.

43. (Currently amended): A mobile information network browser device with audio feedback capability, the information network comprising a plurality of network servers, the browser device comprising:

a communication interface operable to receive data from at least one of the network servers;

a mobile audio device operable to receive the data from the communication interface, the mobile audio device being further operable to convert the data to an audio signal for output to a telephone; and

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an adaptive personalization module operable to monitor the user input during one or more previous sessions with the browser device, and to determine the order for presenting the data requested information based on previous user input during previous browser sessions.

44. (Original): The browser device, as set forth in claim 43, wherein operation of the mobile audio device is controlled with voice commands.

45. (Original): The browser device, as set forth in claim 43, wherein the communication interface is operable to receive the data from a wireless communication network.

46. (Original): The browser device, as set forth in claim 43, wherein the adaptive personalization module is further operable to update a user's model based on the previous user input and the user's model is used to determine the order for presenting the requested information.

47. (Original): The browser device, as set forth in claim 43, wherein the adaptive personalization module is further operable to generate a representation of each piece of content in the requested information, and the order of presentation of the requested information is determined based on the user's model and the representation.

48. (Original): The browser device, as set forth in claim 47, wherein the adaptive personalization module is further operable to convert the responsive information from a text format to an audio format, and the representation includes the frequency with which each word occurs in each piece of content.

49. (Original): The browser device, as set forth in claim 47, wherein the adaptive personalization module is further operable to convert the responsive information from an audio format to a text format, and the representation includes the frequency with which each word occurs in each piece of content.

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50. (Currently amended): A method of browsing an information network via a wireless communication network and receiving responsive information ~~in audio format~~ using a mobile audio device, the method comprising:

transmitting input from a user via the wireless communication network to a data processor;
processing the input to determine when the user enters a valid browsing command;
transmitting the browsing command to a server on the information network;
receiving the responsive information from the server;
adaptively determining the order for presenting the responsive information based on user input indicating interest in the category of responsive information during one or more previous sessions with the mobile audio device;
formatting the responsive information in audio format;
transmitting the formatted audio information to the mobile audio device via the wireless communication network;
generating an audio output signal in the mobile audio device; and
transmitting the audio output signal to an audio output device.

51. (Currently amended): The method, as set forth in claim 50 49, further comprising:

recognizing commands from a user's speech input for interaction with the mobile audio device including the browsing command.

52. (Currently amended): The method, as set forth in claim 50 49, wherein adaptively determining the order for presenting the responsive information includes updating a user's model based on the previous user input and determining the order for presenting the responsive information based on a the user's model.

53. (Currently amended): The method, as set forth in claim 50 49, wherein adaptively determining the order for presenting the responsive information includes updating a user's model based on whether the user input a command to skip playback of the responsive information.

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54. (Currently amended): The method, as set forth in claim 50 49, wherein adaptively determining the order for presenting the responsive information includes updating a user's model based on whether the user input a command to fast-forward or rewind playback of the responsive information.

55. (Currently amended): The method, as set forth in claim 50 49, wherein adaptively determining the order for presenting the responsive information includes updating a user's model based on whether the user requested more detail on the responsive information.

56. (Original): The method, as set forth in claim 55, wherein adaptively determining the order for presenting the responsive information includes generating a representation of each piece of content in the responsive information, and the order of presentation of the responsive information is determined based on the user's model and the representation.

57. (Currently amended): The method, as set forth in claim 50 49 wherein adaptively determining the order for presenting the responsive information includes converting the responsive information from a text format to an audio format, and the representation includes the frequency with which each word occurs in each piece of content.

58. (Currently amended): The method, as set forth in claim 50 49 wherein adaptively determining the order for presenting the responsive information includes converting the responsive information from an audio format to a text format, and the representation includes the frequency with which each word occurs in each piece of content.

59. (Currently amended): The method of claim 50 49 wherein the mobile audio device includes at least a portion of a position-keeping system, the method further comprising:

providing the position of the mobile audio device to the information network via the wireless communication network, wherein the responsive information is based on the location of the mobile audio device.

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60. (Currently amended): The method, as set forth in claim 50 49, further comprising determining whether the requested information is redundant compared to information presented during a previous session, and limiting the amount of redundant information that is presented to the user.

61. (Currently amended): The method, as set forth in claim 50 49, further comprising determining whether a piece of content in the requested information is redundant compared to one or more other pieces of content in the requested information, and limiting the amount of redundant information that is presented to the user.

62. (Currently amended): The browser system, as set forth in claim 50 49, wherein adaptively determining the order for presenting the responsive information includes modifying a user's playlist.

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